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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/551,845	06/27/2006	Masayoshi Son	278836US2X PCT	5807

22850 7590 12/06/2006

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EXAMINER

LEVI, DAMEON E

ART UNIT	PAPER NUMBER
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2841

DATE MAILED: 12/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>		<b>Applicant(s)</b>	
	10/551,845		SON ET AL.	
	<b>Examiner</b>		<b>Art Unit</b>	
	Dameon E. Levi		2841	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 30 March 2005.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 30 March 2005 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>10/03/2005</u> . | 6) <input type="checkbox"/> Other: _____  |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claims 1,2, and 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Horie et al US Patent 6224391.**

Regarding claim 1, Horie et al discloses a card apparatus comprising:

a card main body(element 1,Figs 1-7) having a connection plug(element 6,Figs 1-7) connectable to an information processing apparatus, and a card connector(element 51,Figs 1-7) through which an additional card can be connected to add multiple capabilities to said information processing apparatus; a pair of parallel rail members(element 25,Figs 1-7) configured to guide said additional card for insertion; and a bridge member (element 5,Figs 1-7) connected between said pair of parallel rail members in order not to block the insertion path.

Regarding claim 2, Horie et al discloses wherein said rail member(element 25,Figs 1-7) are provided with a flame ground contact(element 3,Figs 1-7) for inserted card which comes in contact with a flame ground contact of said additional card and serves to ground said additional card and said PC card to said information processing apparatus.

Regarding claim 7, Horie et al discloses wherein said card connector is a male connector(element 51,Figs 1-7), and wherein the PC card is provided further with a dummy card(element 8,Figs 1-7) having the same shape as said additional card and serving to protect said card connector.

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 3, 5, and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Horie et al US Patent 6224391 in view of Gauld et al US Patent 6327154.**

Regarding claim 3, Horie et al discloses the instant claimed invention except wherein said bridge member is provided with a wireless antenna.

Gauld et al discloses a card apparatus except wherein a bridge member is provided with a wireless antenna(element 16,Figs 1-4).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a wireless antenna in the manner as taught by Gauld et al in the card apparatus as taught by Horie et al for the purpose of providing wireless communication between the card apparatus and an external electronic device(see Gauld et al).

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Regarding claim 5, Horie et al discloses the instant claimed invention except a movable antenna unit provided with said wireless antenna.

Gauld et al discloses a card apparatus comprising a movable antenna unit provided with said wireless antenna(element 16,Figs 1-4).

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided a wireless antenna in the manner as taught by Gauld et al in the card apparatus as taught by Horie et al for the purpose of providing wireless communication between the card apparatus and an external electronic device(see Gauld et al).

Regarding claim 6, Horie et al discloses wherein the additional card is a PHS card(element 8, Figs 1-7).

**Claims 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Horie et al US Patent 6224391 in view of Gauld et al US Patent 6327154. and further in view of Shieh US Patent 6122175.**

Regarding claim 4, Horie et al and Gauld et al disclose the instant claimed invention except wherein said bridge member is provided with an LED indicator, and wherein said rail members and said bridge member are provided therein with a wiring for high frequency signals to be connected to said wireless antenna, and a wiring for LED indicator.

Shieh discloses a card apparatus wherein a bridge member is provided with an LED indicator(element 50, Figs 1-3), and wherein said rail members and said bridge

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member are provided therein with a wiring(element 41, Figs 1-3) for high frequency signals to be connected to said wireless antenna, and a wiring(element 42, Figs 1-3) for LED indicator.

Accordingly, it would have been obvious to one of ordinary skill in the art at the time the invention was made to have provided an LED indicator and to have arranged it in the manner as taught by Shieh for the purpose of indicating that a card is communicatively connected therein.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dameon E. Levi whose telephone number is (571) 272-2105. The examiner can normally be reached on Mon.-Fri. (9:00 - 5:00) IFP.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Elvin Enad can be reached on (571) 272-1990. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.


Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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Dameon E Levi  
Examiner  
Art Unit 2841

DEL



ELVIN ENAD  
SUPERVISORY PATENT EXAMINER  
11/22/06